

Abstract

In order to record the temperature of a flowing liquid or gaseous medium in the hollow space of a housing, a temperature measuring element that can be connected via a plug arrangement to evaluation devices is arranged in a protective tube, which is closed on one side, of a sensor housing with a fixed, inserted connection piece, whereby the protective tube projects at least partially into an opening of the hollow space housing that is sealed off from the outside atmosphere using an elastic O-ring.

The measuring element is connected in the area of the tip of the protective tube to a plug arrangement positioned on an end of a lengthwise-extended conductor plate.

The plug arrangement is surrounded by a screw-on sheath of the sensor housing, which is connected with the protective tube and is provided with a threading that projects into the housing of the hollow space for the purpose of mounting.

[3 pages of drawings follow]